Overview

HP Turbo Drive 128 GB PCIe Solid State Drive

Introduction

Storage technology with NAND media is outgrowing the bandwidth limitations of the SATA bus. New high performance Storage solutions will connect directly to the PCIe bus for revolutionary performance improvements. These components will be available in a variety of form factors and performance levels, designed specifically for certain market segments, and ultimately the costs will continue to decline as the technology evolves.

Models

HP Turbo Drive 128 GB PCIe Solid State Drive	J5V07AA

Performance

HP Turbo Drive

The HP Turbo Drive 128 GB PCIe Solid State Drive features a PCIe connected SSD, which enables performance levels greater than 1GB/s. This performance is available at a price that is at parity with today's comparable SATA SSDs. This will enable the highest price/performance ratio for client grade SSDs. Unlike hard drives, SSDs have no moving parts, require little power and are noise-free. The HP Turbo Drive is powered by Samsung SSD technology, resulting in the most reliable performance on the market today.

The HP Turbo Drive 128 GB PCIe Solid State Drive will be supported on certain HP desktop platforms (see suggested platforms below). It will support storage configurations only as a Boot device. The performance gains are significant when connecting to the PCIe bus.

HP Turbo Drive 128 GB PCIe SSD

Capacity	128 GB SSD*
NAND Type	MLC

Overview

Read Bandwidth (128KB)	1.00 GB/s
Write Bandwidth (1MB)	450 MB/s
Random Read IOPS (4KB)	110K
Random Write IOPS (4KB)	40K
Endurance (Total Bytes Written)	73 TB
Weight	1.8oz (51g)
Form Factor	Half-height, half-length**

*For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and 36 GB (for Windows 8.1) of system disk is reserved for the system recovery software.
**Roughly, actual length is 4 inches (100cm)

Supported Operating Systems:
Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 8.1

Supported BIOS:
Supports bios version v2.53 or newer

Supported Platforms:
HP EliteDesk 800 SFF, HP EliteDesk 800 Tower

Technical Specifications

Storage / Hard Drives	**HP Turbo Drive 128 GB SSD**	**Capacity**	128 GB*
		Interface	PCI Express 2.0 x4 electrical x4 physical
		Operating Temperature	32° to 158° F (0° to 70° C)

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Summary of changes

Date of change:	Version History:		Description of change: